

Accepted Manuscript

A concave log-like transformation allowing non-positive values

Martin Ravallion

PII: S0165-1765(17)30386-5

DOI: <https://doi.org/10.1016/j.econlet.2017.09.019>

Reference: ECOLET 7775

To appear in: *Economics Letters*

Received date: 11 April 2017

Revised date: 19 August 2017

Accepted date: 18 September 2017



Please cite this article as: Ravallion M., A concave log-like transformation allowing non-positive values. *Economics Letters* (2017), <https://doi.org/10.1016/j.econlet.2017.09.019>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

The log transformation is widely used in economics but cannot be applied to non-positive data.

This severely limits applications, including in measuring income and wealth inequality.

A hybrid of the hyperbolic sine and its inverse is proposed to address this problem.

Applications are provided, including in an Addendum.

Download English Version:

<https://daneshyari.com/en/article/7349777>

Download Persian Version:

<https://daneshyari.com/article/7349777>

[Daneshyari.com](https://daneshyari.com)